

REMARKS

This Supplemental Amendment is in response to the Office Action mailed September 4, 2002, and in furtherance of the Response to Office Action filed February 24, 2003. The response filed on February 24, 2003, was filed in accordance with the proposed new rules for 37 CFR 1.121(a-d). However, since this is a reissue application, Applicants hereby file this Supplemental Amendment to present the claims in accordance with the format specified by 37 CFR 1.121(h). The amendments to claims 29, 33 and 34 are the same as those presented in the Response of February 24, 2003. Claims 1-27, 29, 30, 33, and 34 remain pending in the application. Applicants resubmit the arguments and remarks put forth in the Response of February 24, 2003.

MARKED-UP CLAIMS

29. (Currently Amended) A data conversion apparatus for use in a data communication system which achieves pseudo interactive communications by using one-way communications from ~~the~~ a data transmitting apparatus to a plurality of data receiving apparatuses, the data conversion apparatus comprising:

document storing means storing a plurality of documents each of which includes one or more character strings at least one of which contains a piece of link destination information specifying another document as a link destination;

display image element generating means for reading the character strings one at a time from the document storing means and converting each read character into a display image element being a bit-mapped graphic;

display image generating means for generating a display image which is composed of generated display image elements and is to be displayed on the plurality of data receiving apparatuses as one screen; and

identifier adding means for adding an identifier for cursor control to each generated display image element in the display image in accordance with display position of each display image element, the identifier for controlling cursor shifting between display image elements, including shifting to any desired display image element in the display image.

33. (Currently Amended) A data conversion apparatus for use in a data communication system which achieves pseudo interactive communications by using one-way communications from ~~the~~ a data transmitting apparatus to a plurality of data receiving apparatuses, the data conversion apparatus comprising:

document storing means storing a plurality of documents each of which includes one or

more character strings at least one of which contains a piece of link destination information specifying another document as a link destination;

display image element generating means for reading the character strings one at a time from the document storing means and converting each read character into a display image element being a bit-mapped graphic;

display image generating means for generating a display image which is composed of generated display image elements and is to be displayed on the plurality of data receiving apparatuses as one screen;

display link destination information converting means for converting each piece of link destination information into a piece of display link destination information which specifies, as a link destination, another display image which is a display image of the other document generated by the display image generating means.

wherein the document is written in HTML and the display image generating means determines categories of the display image elements from tags written in the document;

supplementary design storing means storing supplementary designs with serial numbers;
and

supplementary design adding means for reading the supplementary designs from the supplementary design storing means one by one in order, and adding each read supplementary design to each piece of link destination information specifying the other document as the link destination, on a one-to-one basis, wherein

the display link destination information converting means converts each piece of link destination information into a piece of display link destination information corresponding to a serial number assigned to a supplementary design,

the supplementary design storing means includes:

a maximum number storing unit for storing a maximum number of the supplementary designs in the display image, wherein

the display image generating means further includes:

a maximum number judging unit for judging whether the number of the supplementary designs to be arranged in the display image exceeds the maximum number; and

a display image dividing unit for, when the maximum number judging unit judges that the number of the supplementary designs exceeds the maximum number, sending an instruction to the display image generating means to divide the display image into the plurality of display sub-images so that supplementary designs less than the maximum number are added to each of the plurality of display sub-images divided from the display image, wherein the display image generating unit generates the plurality of display sub-images according to the instruction.

34. (Currently Amended) A data receiving apparatus for achieving a pseudo interactive communication by receiving one-way communications from a data transmitting apparatus, the data receiving apparatus comprising:

display means for displaying a display image which is composed of one or more display image elements which are each a bit-mapped graphic generated from a character string which is included in a document and contains a piece of link destination information specifying another document as a link destination, wherein an identifier for focus control has been added to each display image element in the display image;

storage means for storing information showing positions of the one or more display image elements displayed by the display means;

focus means for focusing on one of the one or more display image elements displayed by

the display means;

reception means for receiving an operation signal of a move button on a remote control;

and

focus control means for controlling the focus and allowing another display image element to be focused on in accordance with either the identifier for focus control or the received operation signal by referring to the position information stored in the storage means.

Conclusion

In view of the amendments and remarks made above, it is respectfully submitted that the pending claims are in condition for allowance, and such action is respectfully solicited.

Authorization is hereby given to charge our Deposit Account No. 19-2814 for any charges that may be due. Furthermore, if an extension is required, then Applicants hereby request such an extension.

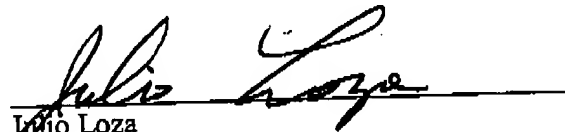
Respectfully submitted,

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I hereby certify that this document is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. (703) 746-7239) on February 28, 2003.

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Signature


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